CLAIMS

What is claimed is:

1.   A system for correlating and displaying dissimilar communication protocol identifiers in real time, comprising:

       user communication information carried on a network, where the user communication information is characterized by at least two dissimilar communication protocols;

       a first communication protocol;

       a second communication protocol; and

       a software code segment configured to detect correlation data identifying a first call portion associated with the first communication protocol, and configured to detect correlation data identifying a second call portion associated with the second communication protocol, where the correlation data comprises components relating to the first communication protocol and the second communication protocol, and wherein the correlation data is detected in real time.

2.   The system of claim 1, wherein the correlation data allows the first call portion and the second call portion to be displayed to a user in real-time in a call flow record.

3.   The system of claim 2, wherein the correlation data relates to a signaling protocol associated with the first communication protocol and the second communication protocol.

1   4.   The system of claim 3, wherein the correlation data is supplied to an

2   analysis device that is coupled to the communication network, and wherein the

3   correlation data is supplied by a customer provided communication device.

1   5.   The system of claim 4, wherein the correlation data comprises

2   information relating to multiple telephone calls that span the dissimilar communication

3   protocols.

1   6.   The system of claim 2, wherein the correlation data identifies dissimilar

2   signaling protocols related to a telephone call, and wherein a first signaling protocol

3   complies with signaling system seven integrated services digital network user part (SS7

4   ISUP).

1   7.   The system of claim 2, wherein the correlation data identifies dissimilar

2   signaling protocols related to a telephone call, and wherein the second communication

3   protocol complies with media gateway control protocol (MGCP).

1   8.   The system of claim 4, wherein the customer provided communication

2   device is a switch, and wherein the second communication protocol is a non-standard

3   communication protocol.

1   9.   A method for correlating and displaying dissimilar communication

2   protocol signaling messages, comprising:

3   receiving communication information that spans at least two dissimilar

4   communication networks;

5   detecting a first call identifier associated with a first communication protocol;

6   and

7   detecting correlation data identifying a first call portion associated with the first

8   communication protocol, and a second call portion associated with a second

9   communication protocol, where the correlation data comprises components relating to

10   the first communication protocol and the second communication protocol, and wherein

11   the correlation data is detected in real time.

1   10.   The method of claim 9, further comprising displaying the first call

2   portion and the second call portion to a user in real-time in a call flow record.

1   11.   The system of claim 10, wherein the correlation data relates to a

2   signaling protocol associated with the first communication protocol and the second

3   communication protocol.

1   12.   The method of claim 11, further comprising supplying the correlation

2   data to an analysis device that is coupled to the dissimilar communication networks,

3   and wherein the correlation data is supplied by a customer provided communication

4   device.

1   13. The method of claim 12, wherein the correlation data comprises

2 information relating to multiple telephone calls that span the dissimilar communication

3 network.

1   14. The method of claim 10, wherein the correlation data identifies

2 dissimilar signaling protocols related to a telephone call, and wherein a first signaling

3 protocol complies with signaling system seven integrated services digital network user

4 part (SS7 ISUP).

1   15. The method of claim 10, wherein the correlation data identifies

2 dissimilar signaling protocols related to a telephone call, and wherein the second

3 communication protocol complies with media gateway control protocol (MGCP).

1   16. The method of claim 12, wherein the customer provided communication

2 device is a media gateway, and wherein the second communication protocol is a non-

3 standard communication protocol.

1   17.   A computer readable medium having a program for correlating a

2   displaying dissimilar communication protocol signaling messages, comprising:

3   logic for receiving communication information that spans at least two dissimilar

4   communication networks;

5   logic for detecting a first call identifier associated with a first communication

6   protocol; and

7   logic for detecting correlation data identifying a first call portion associated with

8   the first communication protocol, and a second call portion associated with the second

9   communication protocol, where the correlation data comprises components relating to

10   the first communication protocol and the second communication protocol, and wherein

11   the correlation data is detected in real time.

1   18.   The program of claim 17, further comprising logic for displaying the

2   first call portion and the second call portion to a user in real-time in a call flow record.

1   19.   The program of claim 18, wherein the correlation data relates to a

2   signaling protocol associated with the first communication protocol and the second

3   communication protocol.

1   20.   The program of claim 19, further comprising logic for supplying the

2   correlation data to an analysis device that is coupled to the dissimilar communication

3   networks, and wherein the correlation data is supplied by a customer provided

4   communication device.

1   21.   The program of claim 20, wherein the correlation data comprises

2   information relating to multiple telephone calls that span the dissimilar communication

3   network.

1   22.   The program of claim 18, wherein the correlation data identifies

2   dissimilar signaling protocols related to a telephone call, and wherein a first signaling

3   protocol complies with signaling system seven integrated services digital network user

4   part (SS7 ISUP).

1   23.   The program of claim 18, wherein the correlation data identifies

2   dissimilar signaling protocols related to a telephone call, and wherein the second

3   communication protocol complies with media gateway control protocol (MGCP).

1   24.   The program of claim 20, wherein the customer provided

2   communication device is a media gateway, and wherein the second communication

3   protocol is a non-standard communication protocol.

1   25.   A system for correlating and displaying dissimilar communication

2   protocol identifiers in real time, comprising:

3   user communication information carried on a network, where the user

4   communication information is characterized by at least two dissimilar communication

5   protocols;

6   a first communication protocol;

7   a second communication protocol; and

8   a software code segment configured to detect correlation data identifying a first

9   call portion associated with the first communication protocol, and configured to detect

10   correlation data identifying a second call portion associated with the second

11   communication protocol, where the correlation data comprises components relating to

12   the first communication protocol and the second communication protocol, wherein the

13   correlation data is detected in real time, and wherein the first communication protocol is

14   SS7 and the second communication protocol is internet protocol (IP).